

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY State Assurance Fund			
TABLE OF COST SCHEDULE ITEM CODES			
Cost Schedule Item Code	NON-PHASE SPECIFIC ITEMS AND COSTS	Unit of Measure	July 1, 2008 Cost Schedule Amount <sup>1</sup>
<b>PERSONNEL RATES</b>			
1	Principal Level	\$/Hour	\$133
2	Senior Level	\$/Hour	\$115
3	Project Level	\$/Hour	\$97
4	Staff Level	\$/Hour	\$82
5	Field Level	\$/Hour	\$69
6	Technical Level	\$/Hour	\$60
7	Administrative Assistant Level	\$/Hour	\$50
8	Word Processor Level	\$/Hour	\$44
<b>CONTRACTOR PERSONNEL RATES</b>			
9	Construction Field Supervisor Level	\$/Hour	\$87
10	Skilled Laborer Level	\$/Hour	\$55
11	Unskilled Laborer Level	\$/Hour	\$44
12	Equipment Operator Level (Average Rate to Operate a Standard Piece of Equipment)	\$/Hour	\$64
<b>MILEAGE RATES</b>			
13	Consultant Mileage Rate (single person)	\$/Mile	\$0.45
14	Consultant Mileage Rate (two people)	\$/Mile	\$0.45
15	Contractor Daily Travel Mileage Rate	\$/Mile	\$0.45
<b>PER DIEM RATES</b>			
	Per Diem Requirement (# Miles Required)	50 Miles	
16	Fieldwork Per Diem Without Overnight Stay	\$/Day	\$43
17	Fieldwork Per Diem With Overnight Stay (Incl. Lodging)	\$/Day	\$115
<b>MISCELLANEOUS</b>			
18	Health and Safety Plan	\$/HASP	\$756
19	Pursuit of Off-Site Access Agreement with a Private Entity Only	\$/Access	\$1,355
<b>EQUIPMENT RATES</b>			
20	Water Level Indicator	\$/Day	\$43
21	Oil/Water Interface Probe	\$/Day	\$63
22	pH Temperature and Conductivity Meter	\$/Day	\$48
23	Photoionization Detector	\$/Day	\$85
24	Flame Ionization Detector	\$/Day	\$122
25	LEL/O2 Meter	\$/Day	\$63
26	Dissolved Oxygen Meter	\$/Day	\$58
27	1.6" Diameter Disposable Bailer	\$/Bailer	\$6
28	3.3" Diameter Disposable Bailer	\$/Bailer	\$20
29	Combustable Gas Indicator (CGI)	\$/Day	\$85
30	Vapor Sampling Pump Kit	\$/Day	\$32
31	Tedlar Bag (0.5L)	\$/Bag	\$15
32	Manual-Operated Hand Auger Sampling Kit (Hand Auger/Brass Sleeves)	\$/Day	\$72

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33	Generator ( $\leq 6\text{kw}$ )	\$/Day	\$85
34	Submersible Pump with Controller	\$/Day	\$169
35	Peristaltic Pump	\$/Day	\$43
<b>CONTRACTOR DRILLING - RELATED ACTIVITIES</b>			
<b>SOIL BORING AND SAMPLING Mobilization/Demobilization (Mob/Demob)</b>			
36	Hollow Stem Auger Drilling Method (includes 60 miles of travel)	Per Event	\$554
37	All Other Drilling Methods (includes 60 miles of travel)	Per Event	\$657
<b>SOIL BORING AND SAMPLING MOB/DEMO ADDITIONAL TRAVEL</b>			
38	Hollow Stem Auger Drilling Method - Mob/Demob Additional Travel (additional mileage over the 60 miles included in #36)	Per Mile	\$5
39	All Other Drilling Methods - Mob/Demob Additional Travel (additional mileage over the 60 miles included in #37)	Per Mile	\$5
<b>SOIL BORING AND SAMPLING</b>			
40	Hollow Stem Auger Drilling Method-Vertical Boring	Per Foot	\$24
41	Hollow Stem Auger Drilling Method-Angle Boring	Per Foot	\$31
42	Limited Access Drilling Method-Vertical Boring	Per Foot	\$41
43	Air Rotary Drilling Method-Vertical Boring	Per Foot	\$43
44	Rotosonic Drilling Method-Vertical Boring	Per Foot	\$47
45	Dual Wall Percussion Drilling Method-Vertical Boring	Per Foot	\$45
46	Dual Wall Percussion Drilling Method-Angle Boring	Per Foot	\$64
47	Soil Boring Abandonment by Grout (all boring diameters)	Per Foot	\$11
<b>CONTRACTOR - WELL INSTALLATION RELATED ACTIVITIES</b>			
<b>DRILLING AND WELL INSTALLATION</b>			
48	2 inch Hollow Stem Auger	Per Foot	\$43
49	4-inch Hollow Stem Auger	Per Foot	\$52
50	6-inch Hollow Stem Auger	Per Foot	\$73
51	2-inch Air Rotary	Per Foot	\$60
52	4-inch Air Rotary	Per Foot	\$70
53	6-inch Air Rotary	Per Foot	\$94
54	2-inch Rotosonic	Per Foot	\$68
55	4-inch Rotosonic	Per Foot	\$71
56	6-inch Rotosonic	Per Foot	\$88
57	2-inch Dual Wall Percussion	Per Foot	\$62
58	4-inch Dual Wall Percussion	Per Foot	\$74
59	6-inch Dual Wall Percussion	Per Foot	\$96
<b>SURFACE COMPLETION</b>			
60	Well Surface Completion: Access Manhole $\leq 12"$	\$/Well	\$330
61	Well Surface Completion: Access Manhole $> 12"$ to $\leq 24"$	\$/Well	\$557

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<b>WELL DEVELOPMENT MOB/DEMOB</b>			
62	Well Development Mob/Demob	Per Event	\$537
63	Well Development - Mob/Demob Additional Travel (additional mileage over the 60 miles included in #62)	Per Mile	\$5
<b>WELL DEVELOPMENT</b>			
64	2-inch Well: Depth to Water Less Than 100 Feet	\$/Well	\$521
65	2-Inch Well: Depth to Water Equal To or Greater Than 100 Feet	\$/Well	\$646
66	4-Inch Well: Depth to Water Less Than 100 Feet	\$/Well	\$562
67	4-Inch Well: Depth to Water Equal To or Greater Than 100 Feet	\$/Well	\$678
68	6-Inch Well: Depth to Water Less Than 100 Feet	\$/Well	\$691
69	6-Inch Well: Depth to Water Equal To or Greater Than 100 Feet	\$/Well	\$795
<b>MOBILE LABORATORY</b>			
70	Mobile Lab Mob/Demob Rate for a One Person Crew	Per Event	\$420
71	Mobile Lab Mob/Demob Rate for a Two Person Crew	Per Event	\$603
72	Mobile Lab - Mob/Demob Additional Travel Rate for a One Person Crew	Per Mile	\$2
73	Mobile Lab - Mob/Demob Additional Travel Rate for a Two Person Crew	Per Mile	\$2
74	On-Site Mobile Lab Rate for a One Person Crew (Includes Soil and GW analyses)	\$/Hour	\$186
75	On-Site Mobile Lab Rate for a Two Person Crew (Includes Soil and GW analyses)	\$/Hour	\$278
<b>LABORATORY ANALYSIS</b>			
<b>ORGANIC ANALYSIS</b>			
<b>Petroleum Hydrocarbons (HC)- SOIL</b>			
76	HC by ADHS Method 418.1 AZ (Soil Only)	\$/Sample	\$76
77	HC by ADHS Method 8015AZR1 (Soil Only)	\$/Sample	\$101
<b>HC - AIR</b>			
78	HC by ADHS Method 8015AZR1-Modified (Air Only)	\$/Sample	\$115
79	HC/BTEX by EPA Method 8015AZR1(Modified) 8021B (Air Only)	\$/Sample	\$139
<b>8021B SOIL</b>			
80	Aromatic VOCs (BTEX) by EPA Method 8021B (Soil Only)	\$/Sample	\$100
81	Halogenated VOCs (BTEX) by EPA Method 8021B Arizona Target Compounds (Soil Only)	\$/Sample	\$145
82	EPA Method 8021B; Arizona Target Compounds (Soil Only)	\$/Sample	\$171
83	Full List VOCs by EPA Method 8021B (Soil Only)	\$/Sample	\$224
<b>8021B GROUNDWATER</b>			
84	Aromatic VOCs (BTEX) by EPA Method 8021B (Groundwater Only)	\$/Sample	\$106
85	Halogenated VOCs (BTEX) by EPA Method 8021B Arizona Target Compounds (Groundwater Only)	\$/Sample	\$151
86	EPA Method 8021B; Arizona Target Compounds (Groundwater Only)	\$/Sample	\$177
87	Full List VOCs by EPA Method 8021B (Groundwater Only)	\$/Sample	\$217

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<b>8021B AIR</b>			
88	Aromatic VOCs (BTEX) by EPA Method 8021B (Air Only)	\$/Sample	\$153
89	Halogenated VOCs by EPA Method 8021B Arizona Target Compounds (Air Only)	\$/Sample	\$191
<b>8260B SOIL</b>			
90	EPA Method 8260B; Arizona Target Compounds (Soil Only)	\$/Sample	\$239
91	Full List VOCs by EPA Method 8260B (Soil Only)	\$/Sample	\$257
<b>8260B GROUNDWATER</b>			
92	EPA Method 8260B; Arizona Target Compounds (Groundwater Only)	\$/Sample	\$243
93	Full List VOCs by EPA Method 8260B (Groundwater Only)	\$/Sample	\$259
<b>POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)</b>			
94	Semi-Volatile Organics by EPA Method 8270C - base neutral (Soil Only)	\$/Sample	\$252
95	Semi-Volatile Organics by EPA Method 8270C - base neutral (Groundwater Only)	\$/Sample	\$271
96	Polynuclear Aromatic Hydrocarbons (PAHs) by EPA Method 8310 (Soil Only)	\$/Sample	\$190
97	Polynuclear Aromatic Hydrocarbons (PAHs) by EPA Method 8310 (Groundwater Only)	\$/Sample	\$187
<b>BIOFEASIBILITY / BIOTREATABILITY ANALYSIS</b>			
98	Phosphate-P by an Approved EPA/ASTM Method (Soil Only)	\$/Sample	\$42
99	Nitrate + nitrite-N by an Approved EPA/ASTM Method (Soil Only)	\$/Sample	\$46
100	Nitrogen (Soil Only)	\$/Sample	\$48
101	Alkalinity by EPA Method 310.1 (Groundwater Only)	\$/Sample	\$22
102	Total Organic Carbon by EPA Method 415.1	\$/Sample	\$54
103	Total Organic Carbon by EPA Method 9060	\$/Sample	\$68
104	Ammonia by EPA Method 350.3 or other ASTM Method (Groundwater Only)	\$/Sample	\$32
105	Sulfate by EPA Method 375.2 or other ASTM Method (Groundwater Only)	\$/Sample	\$28
106	Nitrate by EPA Method 353.2 (Groundwater Only)	\$/Sample	\$28
107	Alkalinity by EPA Method 310.1 Modified (Soil Only)	\$/Sample	\$23
108	Total Dissolved Solids by EPA Method 160.1	\$/Sample	\$20
109	Total Dissolved Solids by EPA Method 160.3	\$/Sample	\$20
110	Biochemical Oxygen Demand (BOD) by EPA Method 405.1 (Aqueous Matrices Only)	\$/Sample	\$52

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<b>WASTE CHARACTERIZATION ANALYSIS</b>			
111	HC by EPA Method 418.1 (Groundwater Only) - FOR WASTE CHARACTERIZATION AND PERMIT REQUIREMENT PURPOSES ONLY	\$/Sample	\$81
112	TCLP Extraction Lead (Pb) Analysis by EPA Method 1311 and the appropriate SW846 EPA Method	\$/Sample	\$121
113	TCLP Extraction by EPA Method 1311 - Analysis of 8 RCRA Metals by appropriate SW846 EPA Method	\$/Sample	\$270
114	Ignitability Test by EPA Method 1010 (Liquid Only)	\$/Sample	\$50
115	Ignitability Test by EPA Method 1010 Modified (Soil Only)	\$/Sample	\$51
116	Corrosivity pH by EPA Method 9045 (Soil Only)	\$/Sample	\$20
117	Corrosivity pH by EPA Method 9040 (GW Only)	\$/Sample	\$19
118	Paint Filter Free Liquids by EPA Method 9095	\$/Sample	\$22
119	PCB's by EPA Method 8082 (Soil Only)	\$/Sample	\$130
120	Lead (Pb) by an approved SW846 EPA Method (Soil Only)	\$/Sample	\$39
<b>CONTRACTOR - OTHER ACTIVITIES</b>			
<b>INVESTIGATIVE DERIVED WASTE</b>			
121	Containerized Contaminated Water Disposal	\$/Drum	\$149
122	Containerized Contaminated Soil Disposal	\$/Drum	\$342
123	Landfill Disposal of Petroleum Contaminated Soil	\$/Ton	\$43

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Cost Schedule Item Code	PHASE SPECIFIC ITEMS AND COSTS	Unit of Measure	July 1, 2008* Cost Schedule Amount <sup>2</sup>
NOTE: Additional activities (without a Cost Schedule Item Code) that are associated with a Phase can be located on the Table of Phase Codes.			
<b>PHASE A - RELEASE CONFIRMATION</b>			
124	14-Day Release Confirmation Report	Per Report	\$592
<b>PHASE B - INITIAL SITE CHARACTERIZATION</b>			
125	Site Reconnaissance and Field Receptor Survey [1/4 Mile]	Lump Sum	\$1,732
<b>PHASE H - REMEDIAL RESPONSE</b>			
126	Pre-Built Remedial Engineering Design (Active Remedial System)	Per Design	\$6,431
<b>PHASE I - OPERATION AND MAINTENANCE</b>			
127	SVE System with Thermal Oxidizer (100 cfm)	\$/Month	\$3,466
128	SVE System with Thermal Oxidizer (250 cfm)	\$/Month	\$4,259
129	SVE System with Thermal Oxidizer (500 cfm)	\$/Month	\$4,932
130	SVE System With Thermal Oxidizer (700 cfm)	\$/Month	\$5,928
131	SVE System with Catalytic Oxidizer (100 cfm)	\$/Month	\$3,505
132	SVE System with Catalytic Oxidizer (250 cfm)	\$/Month	\$4,521
133	SVE System with Catalytic Oxidizer (500 cfm)	\$/Month	\$5,369
134	Air Sparge System (up to 100 cfm and up to 12 psi)	\$/Month	\$1,090
135	Air Sparge System (up to 100 cfm and 12 psi to 100 psi)	\$/Month	\$1,374
136	Blower, 160 CFM	\$/Month	\$1,118
137	Blower, 280 CFM	\$/Month	\$1,433
<b>PHASE K - REMEDIAL EXCAVATION</b>			
138	Remedial Excavation	Per Cubic Yard	\$12
139	Backfill and Compaction of Remedial Excavation	\$/Ton	\$22
<b>PHASE L - TANK CLOSURE</b>			
140	Tank Closure Contractor Mob/Demob	Per Event	\$773
141	Tank Closure Contractor Mob/Demob Additional Travel (additional mileage over 60 miles included in #140)	Per Mile	\$5
<b>PHASE N - REPORTING</b>			
<b>ADEQ-Approved Site Characterization Report (SCR)</b>			
142	ADEQ-Approved SCR; Up To 4 Soil Borings	\$/Report	\$4,483
143	ADEQ-Approved SCR; Up To 4 Groundwater Monitor Wells	\$/Report	\$5,570
144	ADEQ-Approved SCR; Up to 4 Soil Borings and 4 Groundwater Monitor Wells	\$/Report	\$6,461
145	Additional Cost For Each Additional Soil Boring Over 4 the for ADEQ-Approved SCR	\$/Boring	\$313
146	Additional Cost For Each Additional Groundwater Well Over 4 for the ADEQ-Approved SCR	\$/Well	\$344

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<b>ADEQ-Approved Corrective Action Plan (CAP)</b>			
147	ADEQ-Approved Corrective Action Plan (CAP)	\$/CAP	\$7,628
<b>Groundwater Monitoring Report</b>			
148	First Periodic Groundwater Monitoring Report: Up to 4 Groundwater Monitoring Wells	\$/Report	\$2,642
149	Subsequent Periodic Groundwater Monitoring Report: Up To 4 Groundwater Monitoring Wells	\$/Report	\$1,747
150	Additional Cost for Each Additional Groundwater Monitor Well Over 4 for the First Periodic Groundwater Report	Per Well	\$196
151	Additional Cost for Each Additional Groundwater Monitor Well Over 4 for the Subsequent Periodic Groundwater Report	Per Well	\$171
<b>Remedial Progress Report</b>			
152	Initial Periodic Remedial Progress Report (Soil and Groundwater)	\$/Report	\$3,059
153	Subsequent Periodic Remedial Progress Report (Soil and Groundwater)	\$/Report	\$2,177
<b>PHASE P - WORK PLAN AND SAF APPLICATION PREPARATION</b>			
<b>WORK PLANS</b>			
155	ADEQ-Approved Site Characterization Work Plan Scenario 1: Soil Only	\$/Plan	\$4,279
156	ADEQ-Approved Site Characterization Work Plan Scenario 2: Soil and Groundwater	\$/Plan	\$5,596
157	ADEQ-Approved SAF Work Plan to Implement ADEQ-Approved CAP	\$/Plan	\$4,094
<b>SAF CLAIM PREPARATION</b>			
158	ADEQ-Approved Preapproval Application	\$/Application	\$1,076
159	Reimbursement or Direct Payment Claim [Less than or Equal to two (2) Primary Provider Invoices]	\$/Application	\$987
160	Reimbursement or Direct Payment Claim [Greater than two (2) Less than or Equal to five (5) Primary Provider Invoices]	\$/Application	\$1,190
161	Reimbursement or Direct Payment Claim [Six (6) or more Primary Provider Invoices]	\$/Application	\$1,449

NOTE - 1 July 1, 2008 Cost Schedule costs were adjusted by 1.9% based on the Annual 2007 Bureau of Labor of Statistics Producer Price Index for Finished Goods Less Food and Energy Not Seasonally Adjusted.